



Welcome to

Shenzhen JuGuangNeng Science and Technology Co., Ltd.

ISO9001:2008-certified by UKAS,

IEC61215 standard,

CE and RoHS marks,

20+ years' solar panels production experiences,

A real manufacturer of solar panels from 0.1W to 310W.

[www.chinajgn.com](http://www.chinajgn.com)



## Company profile

Shenzhen Juguangneng Science and Technology Co., Ltd. is a professional manufacturer that specializes in various solar panels from 0.1W to 310W since 2007.

Our main products include:

Epoxy Resin solar panels(Monocrystalline and Polycrystalline),  
PET laminated solar panels(Monocrystalline and Polycrystalline),  
Glass solar panels(Monocrystalline and Polycrystalline).

Thanks to the advanced production devices(Automatic solar stringer machine, EL tester etc.), high efficiency production & quality management system (ISO9001 assessed by Sira) and the stable management & technical team(27.20% employees over 5-year employment relationship), we keep providing the high quality products to our customers all over the world, and have gained high reputations from them.

Our marketing philosophy is 'Quality First, Customer Foremost!', we do hope we can establish the good & long-term cooperation relationships with you in the solar field.

Let's save the earth together for our children!

# Certificates



**sira**  
CERTIFICATION  
QUALITY MANAGEMENT SYSTEM  
CERTIFICATE

This is to Certify that the QUALITY MANAGEMENT SYSTEM of  
**SHENZHEN JUGUANGNENG SCIENCE AND TECHNOLOGY CO.,LTD..**  
Registered Address: 6/F, #A, HePing Community Plant, Fuyong Street, Bao'an District, Shenzhen, Guangdong, P.R.China  
Business Address: 6/F, #A, HePing Community Plant, Fuyong Street, Bao'an District, Shenzhen, Guangdong, P.R.China

has been assessed by Sira Certification Service and found to comply with

**GB/T19001-2008 idt ISO9001:2008**  
for the

Manufacture and sales of solar cell modules

Certificate No: 132653  
Organization Code: 46709611-E  
Issue Date: 28 November 2013  
Date of Next Review: 5 December 2014  
Certificate Expiry: 17 November 2015

*Justin Zhang*  
On behalf of SCS



Recertification Date: 17 November 2016

This certificate is subject to the company maintaining its system to the required standards, which will be monitored by Sira. The use of the Certificate and the Sira Certification Mark are subject to the Regulations Applicable to Holders of Sira Certificates. The certificate is provided by Shenzhen Sira Quality Certification Co., Ltd. For further information or enquiries on the SIRA, please contact: <http://www.sira.com.cn>

Sira Certification Service

This certificate is the property of Sira and shall not be returned when requested. It may only be reproduced in its entirety and without change.  
Shen Zhen, Shenzhen, China Tel: 0755-26509195 Email: [sira@sira.com.cn](mailto:sira@sira.com.cn)



Shenzhen Toby Technology Co.,Ltd.

10/F, A Block, Jada R & D Bldg., No.5 Songgangshan Road,  
Science & Technology Park, Nanshan District, Shenzhen, China  
Tel: 0755-26509301 Fax: 0755-26509195 www.tobytab.cn

## CERTIFICATE OF CONFORMITY

Certificate No.: TB12014673

**Applicant** : Shenzhen JuGuangneng Science and Technology Co., Ltd  
**Address** : 6/F, #A, ShuangJinhui Ind.Park, TongFuyu Ind.Zone, Yonghe Road, Fuyong Street, Bao'an District, Shenzhen Guangdong, China.  
**Manufacturer** : Shenzhen JuGuangneng Science and Technology Co., Ltd  
**Address** : 6/F, #A, ShuangJinhui Ind.Park, TongFuyu Ind.Zone, Yonghe Road, Fuyong Street, Bao'an District, Shenzhen Guangdong, China.  
**Product** : Solar Panel  
**Models** : JGN100W, JGN10W, JGN20W, JGN50W, JGN80W, JGN130W, JGN150W, JGN160, JGN180W, JGN200W, JGN240W, JGN250W, JGN300W

**Test Standards:**  
IEC 61215: 2005.

The EUT described above has been tested in accordance with the relevant listed standard. This certificate is awarded following tests carried out on samples of the product referred to standard as above.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: TB-LVD136174.



*Justin Zhang*  
Justin Zhang  
(Manager)  
Jan. 08, 2013



Shenzhen Toby Technology Co.,Ltd.

10/F, Bldg A, Yuhong Industrial Zone, The National Road No.102  
Xixiang Garden 457, Xixiang, Bao'an, Shenzhen, Guangdong  
Tel: 0755-26509301 Fax: 0755-26509195 www.tobytab.cn

## CERTIFICATE OF CONFORMITY

Certificate No.: TB14068255

**Applicant** : Shenzhen JuGuangneng Science and Technology Co., Ltd.  
**Address** : 6/F, #A, HePing Community Plant, Fuyong Street, Bao'an District, Shenzhen, China  
**Manufacturer** : Shenzhen JuGuangneng Science and Technology Co., Ltd.  
**Address** : 6/F, #A, HePing Community Plant, Fuyong Street, Bao'an District, Shenzhen, China  
**Product** : Solar panel  
**Brand Name** : JGN  
**Models** : 1W, 0.5W, 0.8W, 1.1W, 1.3W, 1.5W, 1.8W, 2W, 2.5W, 3W, 4W, 5W

**Test Standards:**  
2011/65/EU;  
2006/66/EC;  
IEC 62321: 2008.

The EUT described above has been examined by us with the listed standards and found in compliance with the Council RoHS Directive 2011/65/EU and Directive 2006/66/EC. It is possible to use RoHS marking to demonstrate the compliance with the RoHS Directive.

The test data obtained and the report issued by laboratories other than TOBY are provided by the applicant to us for data consolidation purpose. The report shall not be reproduced in part without written approval of us. It is only valid in connection with the test report number: TB-RoHS140505.

RoHS

*Justin Zhang*  
Justin Zhang  
(Manager)  
Jun. 11, 2014

## Products(1)-- Epoxy Resin solar panels

Epoxy Resin solar panels, also called Glued solar panels, which are normally encapsulated the solar cells with filling Glue or Epoxy Resin on the backing PCB.

Advantage: flexible design for different shaped housings with or without PCB;  
Disadvantage: lifespan is not long, over 18 months.



## Products(1)-- Epoxy Resin solar panels

### Where to USE:

solar toys, solar fountains, solar power banks, solar torches, solar signal lights, LED solar string lights, solar traffic lights, portable solar speakers, solar chargers for mini motors /batteries etc.



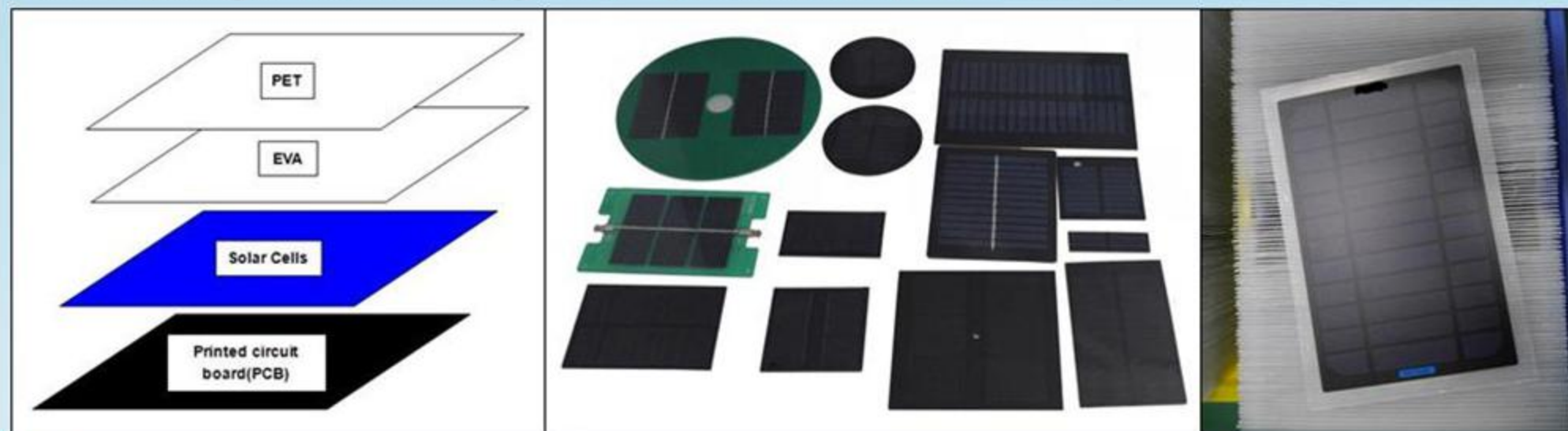
## Products(2)-- PET Laminated solar panels

PET Laminated solar panels are normally encapsulated the solar cells with PET as the top layer & PCB as the backing material.

There are Glossy Surface PET and Frosted Surface PET.

Advantage: longer lifespan than Glued solar panels, over 5 years(Frosted ones), anti-scratch for Frosted PET solar panels;

Disadvantage: not for rugged or specially shaped housing.



## Products(2)-- PET Laminated solar panels

### Where to USE:

folding solar chargers for cell phones/tablets/laptops, solar bags, solar power banks, solar toys, solar torches, LED solar string lights, solar signal lights, solar traffic lights, solar chargers for small batteries, solar security systems, portable solar speakers, portable solar powered systems etc.



## Products(3)-- Glass solar panels

Glass solar panels are normally encapsulated the solar cells with Tempered Glass as the top layer & TPT as the backing material.

Advantage: rigid, tough, longest lifespan than other solar panels, over 25 years.

Disadvantage: heavy, easy to be broken.





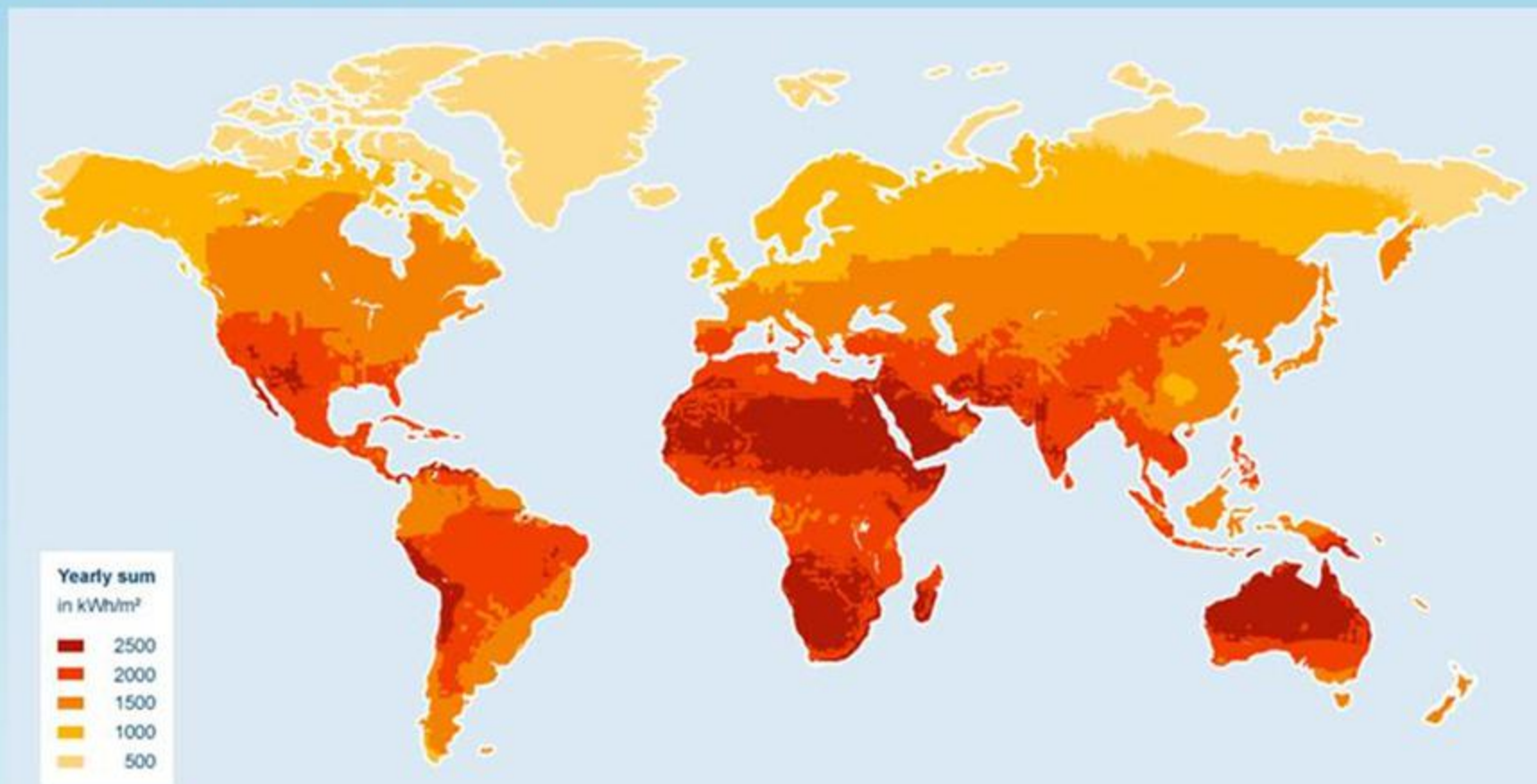
## Products(3)-- Glass solar panels

### Where to USE:

solar roof systems, solar power stations, solar street lights, solar traffic lights, solar signal lights, solar lawn lights, solar garden lights, portable solar lanterns, solar fountains, solar security systems, portable solar chargers for vehicles' batteries (RV/Motor homes/Yachts/Houseboats etc.), and other off-grid solar powered systems etc.



## Global Solar Irradiance Map



Solar radiation map is based on values of Meteornorm ([www.meteornorm.com](http://www.meteornorm.com)). All information is subject to change.



## Contact Us

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Bao'an, Shenzhen city, Guangdong, China 518103



Let's save the earth for our children!  
Thank you!

[www.chinajgn.com](http://www.chinajgn.com)